Vegetation Map
093P075

BRITISH COLUMBIA
Ministry of Forests, Lands and Natural Resource Operations

Scale 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRIMS / Ownership
Base Map Source: TRIM / Tantalis

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to support the analytical functions of the Ministry of Forests, Lands, and Natural Resource Operations. The information portrayed may not be complete and up to date Cadastral, administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revisions June 2014)

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Silviculture Opening in Vegetation
- Permanent Sample Plot (GY3)
- Research Installations

TRIM Base Features:
- As Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air/Ferries
- Other lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Rail/Barriers - EBM
- Watercourses - EBM
- Waterbodies - EBM
- Wetlands - EBM
- Ocean - EBM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- INV Region Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area-Block - FADM
- Tree Farm Licenses - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (< 1,000,000 ha) - 15 % hatch)
- Municipal boundary (1,000,000 ha) - no hatch)
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- BCGS Mapsheet Grid (1:20,000)

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

LINE DESCRIPTION
1 Silviculture symbol and Opening Number
2 Polygon Number and multi-layer stand indicator (L)
3 Species Composition
ex: the most important layer is described as Fd (Douglis Fir) and Hw (Western Hemlock).
4 Age class, Site Index Class (Coastal or Interior), Site Index Species / estimated SI
ex: 4 (41-60 years), 4 (SI 21.0 - 27.0 at 50 yrs), height class 1 (1-10.4m), crown closure class 1 (6-15%), SI 20m
5 Vegetated Density Class (or Non-Forest/Productive Descriptor)
ex: a herb polygon with no distinction between forbs and graminoids, shrubs less that 2m.
6 Disturbance History & year - ex: Logged in 1978

Line 1 - History Record Opening Number

1234 - opening number valid for BCGS mapsheet
2039 - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer

VRIMS Polygon Number - ranging from one to nine digits
/L - Multi-layered stand (a separate description of each layer is available in the data base, i.e. 1.2)

Line 3 - BC Tree Code List

Species Composition: Species are labeled in their order of predominance. Major first Minor in brackets.
The following codes are based on "The B.C. Ministry of Forests Tree Code List" version 4.5 dataed January 2009.

NATIVE CONIFERS		NATIVE HARDWOODS		EXOTICS	
C	CEDAR	D	ALDER		APPLE
Cw	Western Red Cedar	Dr	Red Alder	Ue	Apple
Y	YEW	U	ARBUTUS		ASPEN, COTTONWOOD or POPLAR
Yc	Yellow Cedar	Ac	*Pacific Crab Apple	Ad	*Eastern Cottonwood
F	DOUGLAS FIR	At	ASPEN, ECOTTONWOOD or POPLAR		BIRCH
Fd	Douglas Fir	At	Poplar	Ea	European Birch
Fc	Coastal Douglas Fir	Ac	Black Cottonwood	Ev	*Asian Birch (swamp)
Fdi	Interior Douglas Fir	Act	Black Cottonwood	Ky	*Yellow Birch
B	FIR (Balsam)	At	hybrid Poplars		CHERRY
Ba	Amabilis Fir	At	Trembling Aspen	Vs	Sweet Cherry
Bg	Grand Fir	R	ARBUTUS		CYPRESS
Bl	Subalpine Fir (alpine)	Ep	Arbutus	Yp	*Hybrid Cedar
H	HEMLOCK	E	BIRCH		FIR (Balsam)
Hm	Mountain Hemlock	Ea	Alaska Paper Birch	Bs	*Balsam Fir
Hw	Western Hemlock	Ena	Alaska x Paper Birch hybrid	Bn	Noble Fir
Hxm	Mountain x Western Hemlock hybrid	Ep	Paper Birch (white)	Bm	*Shasta Red Fir
J	JUNIPER	Ew	Water Birch	Bu	*White Fir
Jr	Rocky Mtn. Juniper	K	CASCARA		LARCH
Js	Seaside Juniper	Kc	Cascara	Lz	*Dahurian Larch
L	LARCH	V	CHERRY	La	*Siberian Larch
La	Alpine Larch	Vs	Bitter Cherry		MAPLE
Lt	Tamarack	Vv	Choke Cherry	Me	Box Elder
Lw	Western Larch	Vp	Pin Cherry	Mk	*Norway Maple
P	PINE	G	DOGWOOD	Mh	*Sycamore Maple
Pa	Albert Pine	Gp	Pacific Dogwood (western flowering)		OAK
Pf	Limber Pine	M	MAPLE	Qe	*English Oak
Pl	Lodgepole Pine	Mb	Bigleaf Maple (broadleaf)	Qw	*White Oak
Plc	Lodgepole Pine (contorta)	Mv	Vine Maple		OTHER EXOTICS
Pyl	Lodgepole x Jack Pine hybrid	Q	OAK	Oa	*Incense Cedar
Py	Ponderosa Pine (yellow)	Qg	Garry Oak	Ob	*Giant Sequoia
Pw	Shore Pine (coast)	W	WILLOW	Os	*Coast Redwood
Pw	Western White Pine	Wb	Bebb's Willow	Od	European Mountain Ash
Pj	Jack Pine	Wc	Black Willow	Of	*Common Ash (southern)
S	SPRUCE	Whe	Peachleaf Willow (Barclay's)	Of	Common Pear
Sb	Black Spruce	Whl	Pussy Willow (gray-leaved)	Og	Oregon Ash
Se	Engelmann Spruce	Wl	Scouler's Willow	Ow	*White Ash
Sep	Sitka Spruce	Wsx	Sitka Willow (tea-leaved)	Ck	*Shagbark Hickory
Sw	White Spruce		**UNKNOWN - OTHER**	Cs	*Shellbark Hickory
Sx	Spruce hybrid	X	UNKNOWN	Oj	Japanese Walnut
Sxw	Engelmann x White	Xc	unknown conifer		PINE
Sxl	White x Sitka	Xh	unknown hardwood	Pm	*Monterey Pine
Sxs	Sitka x unknown hybrid	Z	OTHER (tree not on list)	Py	*Red Pine
Y	YEW	Zc	other conifer	Ps	*Sugar Pine
Yw	Western Yew	Zh	other hardwood		SPRUCE
				Sn	*Norway Spruce

Line 4

4a AGE CLASS

CODE	LIMITS (years)
1	1-20
2	21-40
3	41-60
4	61-80
5	81-100
6	101-120
7	121-140
8	141-250
9	251 +

4b HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 28.4
4	28.5 - 37.4
5	37.5 - 46.4
6	46.5 - 55.4
7	55.5 - 64.4
8	65.5 +

4c CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
0	0
1	6 - 15
2	16 - 25
3	26 - 35
4	36 - 45
5	46 - 55
6	56 - 65
7	66 - 75
8	76 - 85
9	86 - 100

4d SITE INDEX

All SI are shown to the nearest metre referenced at 50 years Breast Height Age. SI is based on the age and height of the dominant and co-dominant trees. If a polygon has both site age and height, estimated SI is shown after, or replaces the SI.

4e ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aremot present, e.g. young stands (<30yrs). It is denoted by a slash which always follows the site index species code. Site Index are Inventory Type Group and SI Estimated source code.

Line 5 Vegetation records

VEGETATED NON-TREE CATEGORIES (for V and I records4)

s	SHRUB TALL	- shrub with average shrub height > or = to two metres.
u	SHRUB LOW	- shrub with average shrub height < two metres.

NON-TREED HERB

he	HERB	- herb with no distinction between forbs and graminoids.
hf	HERB - FORBS	- herb with forbs > 50% of the herb cover.
hg	HERB - GRAMINOIDS	- herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID

by	BRYOID	- bryoid with no distinction between mosses and lichens by cover.
bm	BRYOID - MOSS	- bryoid with mosses, liverworts, and hornworts > 50% of the bryoid cover.
bl	BRYOID - LICHENS	- bryoid with lichens > 50% of the bryoid cover.

NON-VEGETATED CATEGORIES (for V and I records)

ap	AIRPORT	gp	GRAVEL PIT	mu	MUDFLAT SEDIMENTS
be	BEACH	la	LAKE	mp	RUBBLY MINE SPOILS
bl	BLOCKFIELD	lb	LAVA BED	oc	OCEAN
br	BOULDERS	mi	MINE	or	ORCHARD
bu	BURNED AREA	ms	POND or LAKE SEDIMENTS	sn	SNOW COVER
cb	CUTBANK	mi	OPEN PIT MINE	re	RESERVOIR
dl	DISTURBED SOILS	mo	MORAINE	ri	RIVER / STREAM
gl	GLACIER				

Note: Water categories (la, ls, ri) not labelled over 90 percent coverage.

rm	RESERVOIR MARGIN
rr	RAILWAY SURFACE
rs	RIVER SEDIMENTS
ro	ROAD SURFACE
ta	TALUS
ti	TAILINGS
ur	URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I records)

A	ALPINE	NP	NON PRODUCTIVE	SAND	SAND
BRUSH	NON COMMERCIAL FOREST /Species	NPBR	NON PRODUCTIVE BRUSH	SLAT	SLAT
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN	U	URBAN
CL	CLAY BANK	NPF	NON-PRODUCTIVE FOREST /Species		
FOR	FOREST LAND	NTA	NO TYPING AVAILABLE	NC	NON COMMERCIAL
GR	GRAVEL PIT	OR	ORCHARD	NCBR	NON COMMERCIAL BRUSH
ICE	ICEFIELD	R	RAILROAD	NP	NON PRODUCTIVE
M	MEADOW	S	SALT	NSR	NOT SUFFICIENTLY RESTOCKED
MUD	MUD FLAT	S	SWAMP	NTA	NO TYPING AVAILABLE

Line 6 - Disturbance History

Disturbance type code preceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

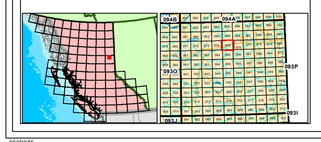
A	Animal Damage	L	Logging	R	Site Rehabilitation
B	Wildfire	M	Mite Damage	T	Treatment Injuries
C	Cone and Seed Insects	N	Non-Biological Injuries	U	Damage Unknown
D	Diseases	P	Cone and Seedling Fungal Pathogens	V	Problem Vegetation
I	Insects				

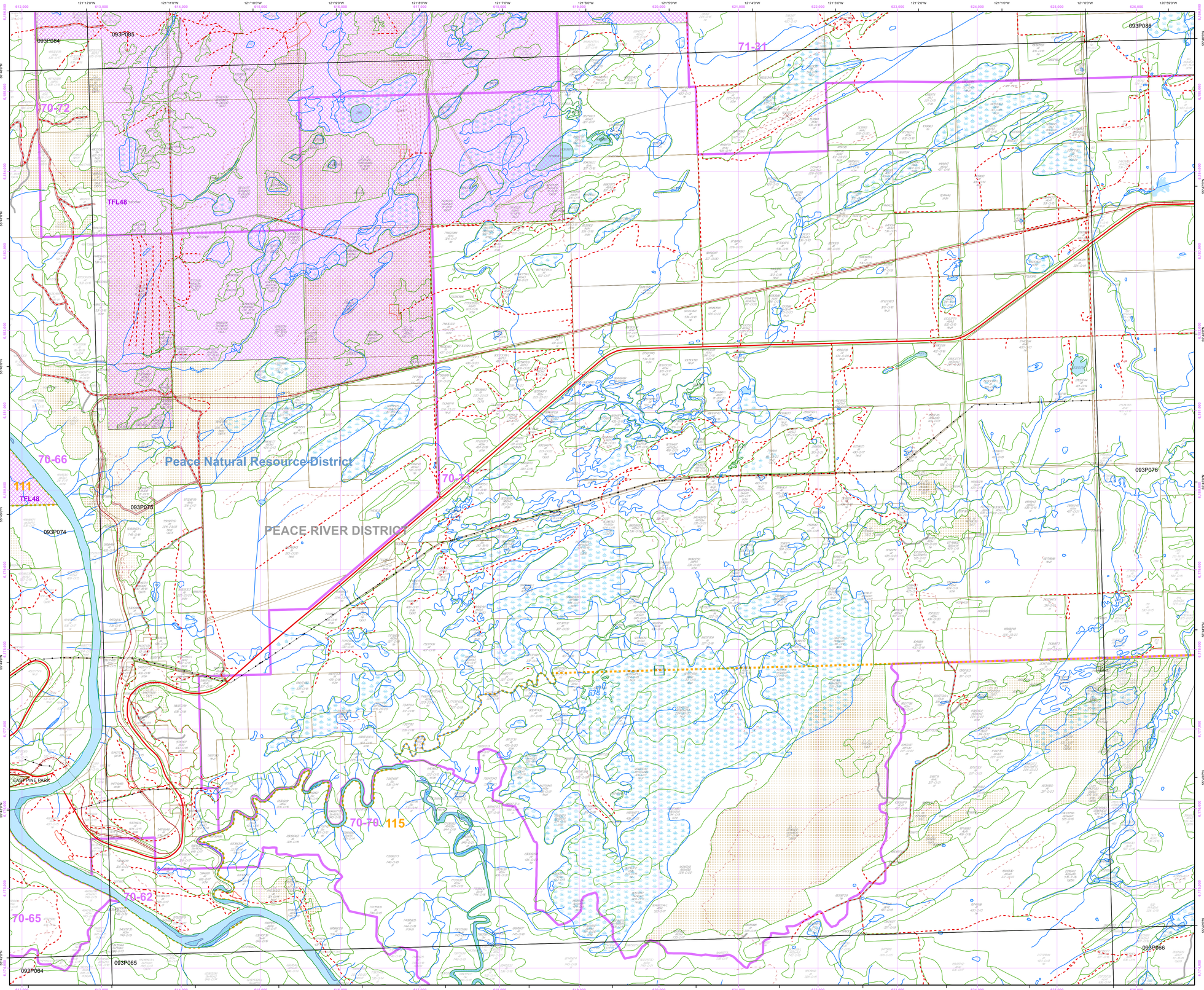
Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either IMF or ArcMap. The MapView example is of themed RESULTS data.

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -

OPENING
OPENING LABELS
OPENING - PLANTING ACTIVITY
ACTIVITY TREATMENT UNIT
STANDARDS UNIT
SILVICULTURE FOREST COVER
WILDLIFE TREE PATCH





Overflow Labels